

ÖZGEÇMİŞ VE ESERLER LİSTESİ

ÖZGEÇMİŞ

Adı Soyadı: Hasan GÖÇMEZ

Doğum Tarihi: 04 Ekim 1971

Unvanı: Prof. Dr.

Öğrenim Durumu :

Derece	Bölüm/Program	Üniversite	Yıl
Lisans	Metalurji Mühendisliği	Orta Doğu Teknik Üniversitesi	1994
Y. Lisans	Malzeme/Seramik Mühendisliği	Rutgers University (ABD)	1997
Doktora	Malzeme/Seramik Mühendisliği	Rutgers University (ABD)	2001

Yüksek Lisans Tez Başlığı ve Tez Danışmanı :

Tezsiz yüksek lisans

Danışmanı: Prof. Dr. Richard A. Haber

Doktora Tezi ve Danışmanı :

"A comparison of freshly ground crystalline quartz and naturally occurring crystalline quartz in ball clays "

Danışmanı: Prof. Dr. Richard A. Haber

Görevler:

Görev Unvanı	Bölüm/Program	Görev Yeri	Yıl
Ar.Gör.	Malzeme/Ser. Müh.	Rutgers University (ABD)	1997-2001
Post-Doktora	Kimya Müh.	Stevens Inst. of Tech. (ABD)	2001-2002
Misafir B. Adamı	İnorganik Kimya Blm.	Stockholm University (İsveç)	2004
Yar.Doç.	Seramik Müh.	Dumlupınar Üniversitesi	2002-2006
Doç. Dr.	Seramik Müh.	Dumlupınar Üniversitesi	2007-2011
Misafir B. Adamı	Malzeme Müh.	Yamaguchi University(Japonya)	2006-2007
Misafir B. Adamı	İleri Malzeme Lab.	AIST (Japonya)	2008 (yaz)
Misafir B. Adamı	Malzeme Blm. -Müh.	Rutgers University (ABD)	2011 (yaz)
Prof. Dr.	Malzeme Ser. Müh.	Dumlupınar Üniversitesi	2011-

Yönetilen Doktora ve Yüksek Lisans Tezleri

Doktora Tezleri

Açıkbaş, G., "Seramik sağlık gereçlerine alternatif polimer matrisli kompozit malzemelerin geliştirilmesi ve karakterizasyonu", Dumlupınar Üniversitesi, 2016

Yurdakul, A., "Otomotiv sanayisinde kullanılan kaynak pimleri için hidrotermal yöntemle itriyum tetragonal zirkonya polikristal toz sentezi", Dumlupınar Üniversitesi, 2015

Tuncer, M., "nanokristal zirkonya içerikli kompozitlerin sentezi ve topaklanma probleminin önlenilmesi", Dumlupınar Üniversitesi, 2011.

Yüksek Lisans Tezleri

Altun, S., "Polimer türevli nanokristal SiOC tozlarının sentezi ve karakterizasyonu" Dumlupınar Üniversitesi, 2018.

Çetin, S., "Nb₂O₅ ve Nb₂O₅ tabanlı ince filmlerin karakterizasyonu ve Güneş pili üretimi" Dumlupınar Üniversitesi, 2013.

Uzulmez, İ., "Nanokristal zirkonya/silika kompozit tozlarının süperkritik CO₂ yöntemi ile sentezi topaklanma probleminin önlenilmesi" Dumlupınar Üniversitesi, 2012.

Gökçer, Z., "Zayıf topaklanmış ZrO₂-SiO₂ kompozitlerinin sentezi ve karakterizasyonu" Dumlupınar Üniversitesi, 2010.

Çelik, G., "YAG- Al₂O₃ kompozitinin mikroyapısı ve mekaniksel özellikleri" Dumlupınar Üniversitesi, 2010.

Alanbey, S., "ZrO₂-Al₂O₃ nanokompozit tozların tartarik asit jel yöntemi ile sentezlenmesi ve karakterizasyonu" Dumlupınar Üniversitesi, 2009.

Yeşilirmak, Y., "Katı roket yakıtlarının karışım derecesinin belirlenmesi" Ortak Danışman, ODTU-Dumlupınar Üniversitesi, 2006.

Özcan, Ö., "Nanokristal alumina sentezi ", Dumlupınar Üniversitesi, 2006.

Uzun, M., "Katı Hal Sentezi ile Üretilen BST'nin elektriksel özellikleri", Dumlupınar Üniversitesi, 2005.

Alp, İ. Ö., "Organik dağıtıcılar kullanarak TiO₂ tozlarının sulu ortamda dispersiyonu ve stabilitesi", Dumlupınar Üniversitesi, 2005.

Patentler

Göçmez, H., Açıkbaş, G., "polimer matrisli seramik takviyeli kompozitler kullanılarak seramik sağlık gereci ürünlerine alternatif ürünlerin eldesi için bir yöntem" (TR2015 12605B)

Göçmez, H., Yurdakul, A., Yurdakul, H., "hidrotermal yöntemle mavi renkli Y-TZP(itriyum stabilize tetragonal zirkonya polikristal) sentezi ve otomotiv sanayisi için seramik kaynak pimlerinin üretimi" (ulusal patent inceleme aşamasında)

Göçmez, H., Yurdakul, A., Yurdakul, H., hidrotermal yöntemle Y-TZP (itriyum stabilize tetragonal zirkonya polikristal) sentezi ve otomotiv sanayisi için seramik kaynak pimlerinin üretimi" (ulusal patent inceleme aşamasında)

Projeler

1. "Düşük Kurşun İçerikli Organik-Inorganik Perovskit Güneş Pillerinin Üretimi, Geliştirilmesi ve Karakterizasyonu" **TUBİTAK-1001 116F073, Proje Yürütücüsü**, 2017-2020.
2. "Nükleer uygulamalar için mekanik özellikleri geliştirilmiş B4C/MAX kompozitlerinin SPS yöntemiyle üretilmesi" **YÖK-Mevlana Değişim Programı (Ukrayna) MEV-2018, Proje Yürütücüsü**, 2018-2019
3. "ZrB₂ esaslı seramiklerin sentezlenmesi ve solar yöntemle sinterlenmesi" **YÖK-Mevlana Değişim Programı (Japonya) MEV-2016-044, Proje Yürütücüsü**, 2016-2018
4. "Seramik Zırhlar" Roketsan, **Proje Yürütücüsü**, 2013-2014
5. Otomotiv Sanayi Uygulamaları İçin Zirkonya Bazlı Seramik Kaynak Pimlerinin Geliştirilmesi, **TUBİTAK-1005 213M284, Proje Yürütücüsü**, 2014-2016.
6. Boya Duyarlaştırılmış Güneş Pilleri için Nb₂O₅ Bazlı Nanokompozit Elektrot Üretimi Ve Fotovoltaik Özelliklerinin Geliştirilmesi, **TUBİTAK-1001 110M443, Proje Yürütücüsü**, 2011-2013.
7. Titanyum-Zirkonya Nanokompozit İnce Filmlerin Süperkritik CO₂ Yöntemi Kullanılarak Üretilmesi ve Fotokatalitik Performansının Geliştirilmesi, **TUBİTAK 110M780, Proje Yürütücüsü**, 2011.
8. Aktive edilmiş tozlarla düşük sıcaklıklarda ZrB₂ ve ZrB₂ esaslı seramiklerin sentezlenmesi, sinterlenmesi ve mekaniksel özelliklerinin geliştirilmesi, **BOREN, Proje Yürütücüsü**, 2009-2011.
9. Deagglomeration of submicron and nanoparticles of ceramic materials and detonation diamond, **TUBİTAK-RFBR (Rusya) 109M712**, iki antlaşma projesi, **Proje Yürütücüsü**, 2009-2011.
10. Düşük sıcaklıkta nanokristal tetragonal zirkonya bazlı seramiklerin sentezlenmesi ve topaklanma probleminin önlenilmesi, **TUBİTAK 107M367, Proje Yürütücüsü**, 2007-2009.
11. Super energy high milling in the production of hard alloys, ceramic and composite nanomaterials, **FP6 (Avrupa Birliği 6.Çerçeve programı) STREP projesi (NanoMATERIALS), Proje Yürütücüsü**, 2004-2007.
12. Diatomit ve zeolit hammaddelerinden nanoboyutlu β-kristobalit seramik tozun sentezlenmesi, **DPT Projesi 2003K120308, Araştırmacı**, 2004-2006
13. Hızlı Prototip Tekniği ve Direk Döküm Yöntemi ile Diş Köprüsü Üretimi, Brinell Center projesi (**Stockholm Üniversitesi**), **Araştırmacı**, 2004.
14. Enerjetik Malzemelerin Moleküler Modelleme kullanarak polimorflarının tayini, **ONR** projesi (**Stevens Institute of Technology**), **Araştırmacı**, 2002-2003
15. SiC/Si Kompozitlerin Sedimentasyon Döküm Yöntemi ile Üretimi, CCR (ABD), **Proje Yürütücüsü**, 2002.

Ödüller

- IAEC18 Uluslararası Otomotiv Mühendisliği Konferansı I. Otomotiv Tez Ödülleri, En iyi Tez Ödülü (Doktora Tez Danışmanı olduğum Dr. Arife Yurdakul'un doktora teziyle) 2018
- Bilim, Sanayi ve Teknoloji Bakanlığı Mikro İşletme Verimlilik Proje Teşvik Ödülü, 2016
- ODTÜ öğretim elemanları derneği Serhat Özyar Yılın Genç Bilim Adamı Ödülü (Doktora Tez Danışmanı olduğum Dr. Arife Yurdakul'un doktora teziyle), 2016

- JSPS bursu (Japan Society for the Promotional Science), Japonya, 2006-2007
- Araştırma Bursu, Rutgers University, 1998-2001
- YÖK yurtdışı yüksek lisans/doktora bursu 1996-1999

Editörlük

- Yardımcı Editör, Journal of the Ceramic Society of Japan, 2012-
- Editör, FBE dergisi, 2012-2018

İdari Görevler

FBE Müdürü	Dumlupınar Üniversitesi	Fen Bilimleri Enstitüsü	2012-2018
FBE Müdür Yrd.	Dumlupınar Üniversitesi	Fen Bilimleri Enstitüsü	2008-2012
Bölüm Başkan Yrd.	Dumlupınar Üniversitesi	Seramik Müh. Blm.	2003-2011

Bilimsel Kuruluşlara Üyelikler

AcerS, American Ceramic Society

JSPS, Japan Society For The Promotinal Science

TSD, Türk Seramik Derneği

ESERLER

A. Uluslararası hakemli dergilerde yayımlanan makaleler :

- A1.** H. Gocmez, M. Tuncer, I. Bogomol "Spark plasma sintering of ZrB₂ powders synthesized by citrate gel method" International Journal of Refractory Metals and Hard Materials, 78, 127-130, (2018)
- A2.** Açıkbaş G, Göçmez, H., Characterization and properties of industrial polymer matrix composite sanitarywares. Materials Testing, 59 (11-12), 1067-1074, (2017).
- A3.** U. Olgun, M. Gülfen, H. Gocmez, M. Tuncer, "Synthesis and room temperature coating of nano ZrB₂ on copper using mechanical roll-milling" Advanced Powder Technology, 28, 2044-2051, (2017)
- A4.** H. Gocmez, M. Tuncer, Y. S. Yeniceri, "The Influence of SiC, B₄C and ZrO₂ on the densification and mechanical properties of ZrB₂" Journal of the Australian Ceramic Society, 52, 73-75, (2016)
- A5.** M. Tuncer, H. Gocmez, S. Cetin "Rapid expansion of TiO₂ layers processed by supercritical solutions for dye sensitized solar cell applications" Materials Testing, 58, 1-4, (2016)
- A6.** C. Duran, K. Sato, Y. Hotta, H. Gocmez, K. Watari "Ball milling assisted hydrothermal synthesis of ZrO₂ nanopowders" Ceramics International, 41, 5588-5593, (2015)
- A7.** O. Sahin, H.S. Güder, E. Sahin, H. Göçmez M. Sopicka-Lizer, O. Uzun, "Preparation of Fine-Grained Silicon-Nitride Ceramics and their Characterization by Depth-Sensing Indentation Tests" Acta Physica Polonica A, (2015)

- A8.** H. Gocmez, M. Tuncer, Y. S. Yeniceri, "Low temperature synthesis and pressureless sintering of nanocrystalline zirconium diboride powders *Ceramics International*, 40,12117-12122, (2014)
- A9.** H. Kaftelen, M. Tuncer, S. Tu, S. Repp H. Gocmez R. Thomann, S. Weber, E. Erdem "Mn-substituted spinel $\text{Li}_4\text{Ti}_5\text{O}_{12}$ materials studied by multifrequency EPR spectroscopy" *Journal of Materials Chemistry A*, 1, 9973-9982 (2013)
- A10.** M. Sopicka-Lizer, C. Duran, H. Gocmez, T. Pawlik, M. Mikuskiewicz, K. MacKenzie "Effect of high energy milling on the formation and properties of sialon ceramics prepared from silicon nitride-aluminium nitride precursors" *Ceramic International Vol. 39*, 4269-4279 (2013)
- A11.** O. Sahin, I. Demirkol, H. Gocmez, M. Tuncer, H. A. Cetinkara, H. S. Güder, E. Sahin, A. R. Tuncdemir "Mechanical properties of nanocrystalline tetragonal zirconia stabilized with CaO, MgO and Y_2O_3 " *Acta Physica Polonica A*, 123, pp. 296-298 (2013)
- A12.** O. Sahin, A. Hasde, I. Demirkol, H. Gocmez, M. Tuncer, H. A. Cetinkara, H. S. Güder, E. Sahin, A. R. Tuncdemir "Hardness behavior of Alumina-Zirconia nanocomposites synthesized by gel process" *Acta Physica Polonica A* 123, pp. 299-301 (2013)
- A13.** H. Gocmez, M. Tuncer, I. Uzulmez O. Sahin "Particle Formation and Agglomeration of an Alumina-Zirconia Powder Synthesized an Supercritical CO_2 Method" *Ceramics International*, 38, 1215-1219 (2012).
- A14.** T. Nagaoka, C. Duran, H. Gocmez, H. Hyuga, K. Watari, "Hydraulic alumina as an inorganic binder for extruding and sintering Si_3N_4 ceramics" *Journal of the Ceramic Society Japan*, vol. 120, pp. 330-333, (2012)
- A15.** H. Gocmez, M. Tuncer "Effects of pH on Agglomeration State of Al_2O_3 - ZrO_2 (ZTA) Nanocomposite Powders Synthesized by Tartaric Gel Method" *Ceramics Silikaty* 56, 107-111, (2012).
- A16.** H.S. Güder, E. Sahin, O. Sahin, H. Göçmez, C. Duran, H. Ali Çetinkara "Vickers and Knoop Indentation Microhardness Study of SiAlON Ceramic" *Acta Physica Polonica A*, 120, 1026-1033, (2011)
- A17.** H. Gocmez, M. Tuncer, I. Uzulmez "The formation and characterization of $\text{ZrO}_2/\text{SiO}_2$ Nanocrystalline Composite by Supercritical CO_2 " *Ceramics International*, 36, 2231-2234 (2010)
- A18.** H. Gocmez, M. Tuncer, Z. Gokyer, H. Fujimori, C. Duran "The Preparation and Characterization of Al_2O_3 - ZrO_2 Nanocrystalline Composite by a Simple Gel Method" *Materials Science and Engineering: B*, 173, 80-83 (2010)
- A19.** O. Sahin, O. Uzun, Malgorzata Sopicka-Lizer, H. Gocmez, U. Kölemen "Analysis of load-penetration depth data using Oliver-Pharr and Cheng-Cheng methods of SiAlON-ZrO_2 ceramics" *Journal of Applied Physics D*, 41, no. 3 (2008)
- A20.** H. Gocmez and H. Fujimori "Synthesis and characterization of pure nanocrystalline ZrO_2 and ZrO_2 -MgO solid solutions by citrate gel process" *Materials Science and Engineering B*, 148, 226-229 (2008)
- A21.** H. Gocmez, H. Fujimori "Low temperature synthesis and characterization of CaO and MgO-stabilized nanocrystalline tetragonal zirconia by citrate gel process" *Key Engineering Materials*, 368-372, 754-757 (2008)
- A22.** O. Sahin, O. Uzun, Malgorzata Sopicka-Lizer, H. Gocmez, U. Kölemen "Dynamic Hardness and Elastic Modulus Calculation of SiAlON Ceramics using Nanoindentation Tests" *Journal of European Ceramic Society*, 28, 1235-1242 (2008)
- A23.** H. Gocmez, O. Ozcan "Low Temperature Synthesis of Nanocrystalline α - Al_2O_3 powder by tartaric acid gel method" *Materials Science and Engineering A*, 475, 20-22 (2008)
- A24.** H. Gocmez, C. Duran, H. Yilmaz "The dispersion of mechanochemically activated SiC and Al_2O_3 powders" *Materials Science and Engineering A*, 475, 23-26 (2008)
- A25.** T. Wlodek, M. Sopicka-Lizer, H. Gocmez, C. Duran "Influence of the milling environment on the reaction progress in the $\text{Si-Al}_2\text{O}_3$ system" *Journal of European Ceramic Society*, 27, 739-742 (2007)
- A26.** H. Gocmez and R.A. Haber "Determinazione pratica della cristallinità del quarzo α mediante diffrazione a raggi X" C e Ca tarafından İtalyancaya çevrilmiş (Ceramurgia Scopus içinde bulunmaktadır), 36 (2), 165-167, 2006.

- A27.** Z. Peralta-Inga, N. Degirmenbasi, U. Olgun, H. Gocmez, D. M. Kalyon "Recrystallization of CL-20 and HNFx from Solution for Rigorous Control of the Polymorph Type: Part I, Mathematical Modeling using Ab Initio and Molecular Dynamics Methods" Journal of Energetic Materials, 24, 69-101 (2006)
- A28.** Z. Peralta-Inga, N. Degirmenbasi, U. Olgun, H. Gocmez, D. M. Kalyon "Recrystallization of CL-20 and HNFx from Solution for Rigorous Control of the Polymorph Type: Part II, Experimental Studies" Journal of Energetic Materials, 24, 103-109 (2006)
- A29.** H. Gocmez, "The interaction of organic dispersant with alumina: a molecular modelling approach" Ceramics International, 32, 407-409 (2006)
- A30.** R. Goren, H. Gocmez, C. Ozgur "Synthesis of cordierite powder from talc, diatomite and alumina" Ceramics International, 32, 407-409 (2006)
- A31.** H. Gocmez, "The Practical Determination of α -Quartz Crystallinity in minerals by X-ray Diffraction" Industrial Ceramics, 25, 170-172 (2005)
- A32.** R. Goren, H. Gocmez, C. Ozgur "The preparation of cordierite from talc, diatomite and alumina mixtures", Ceramics International, 32, 53-56 (2005)
- A33.** H. Gocmez, R.A. Haber "Characterization of quartz crystallinity in naturally occurring clay minerals using diffuse reflectance infrared spectroscopy", Key Engineering Materials, 264-268, 1601-1604 (2004)
- A34.** I. Işık, H. Gocmez, G. Yanik, R. Ceylantekin "The utilization of waste clay from coal basin in the wall tile body formulation" Key Engineering Materials, 264-268, 2425-2428 (2004)
- A35.** I. Işık, H. Gocmez, G. Yanik, R. Ceylantekin, G. Ediz "The characterization and the utilization of waste clay from silver deposits in the brick industry" Key Engineering Materials, 264-268, 2489-2492 (2004)
- A36.** H. Gocmez, M. Ceken, G. Yanik "The characterization of Ancient Ceramics from Hasankeyf (Turkey)" Key Engineering Materials, 264-268, 2407-2410 (2004)
- A37.** S. Dikmen, B. Greenblatt, P. Shuk, H. Gocmez "Hydrothermal synthesis and properties of $Ce_{1-x}Gd_xO_{2-8}$ solid solution" Solid State Sciences, (2002)
- A38.** H. Gocmez, R.A. Haber "A comparison of naturally occurring crystalline quartz and freshly ground crystalline quartz in clays", Ceramic Engineering & Science, 22, 19-25 (2001)
- A39.** H. Gocmez, R.A. Haber "Methods for the determination of soluble salts in casting slips", Ceramic Engineering & Science, 20 (1999)

B. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında (Proceedings) basılan bildiriler :

- B1. (Davetli Konuşmacı)** H. Göçmez, Ç. B. İyi "The Assessment of Novel Vanadium Diboride Anodic Materials for Air Battery Applications" the 15th international conference on advance materials, IUMRS-ICAM, Kyoto-Japonya, 2017
- B2.** S.Aksan, H.Göçmez, M.Tuncer, C.Duran " BaTiO3 Powder Synthesis By Citrate Gel Method"International Materials Technologies And Metallurgy Conference, Istanbul-Türkiye, 2017
- B3.** S.Aksan, H.Göçmez "Calculations Photovoltaic Properties of TiO2 By Using DFT Methods" 2nd International Conference on Material Science and Technology in Cappadocia (IMSTEC'17), Kapadokya-Türkiye, 2017.
- B4.** S. Cetin, H. Gocmez, M. Tuncer "The preparation of TiO2-Nb2O5 photoelectrode by gel and supercritical solution methods for dye sensitized solar cell" 2. International Conference on Material Science and Technology, Kapadokya-Türkiye, 2017.
- B5.** S. Cetin, H. Gocmez, M. Tuncer "The synthesis of nanocrystalline vanadium dioxide electrode for solar cell application" 2. International Conference on Material Science and Technology, Kapadokya-Türkiye, 2017.
- B6.** A. Yurdakul, H. Gocmez, H. Yurdakul, "Micro to Atomic Scale Observations on Nano-sized Y-TZP Powder Produced by One-Step Hydrothermal Route", Nanotech France 2016-International Nanotechnology Conference, Fransa, 2016.

- B7.** A. Yurdakul, H. Gocmez, "Nano-Scale Engineering of Hard and Tough Zirconia Based Ceramics", ICSS Meeting- International Conference on Small Science 2016, Çek Cumhuriyeti, 2016.
- B8.** Acikbas, G., Göcmez, H., Effect of Glass Fiber Waste Content on Polyester Matrix Composites, 1st International Black Sea Congress on Environmental Sciences, 31 Ağustos-3 Eylül 2016, Giresun-Türkiye
- B9.** Açıkbaş G., Göçmez H., Polyester Matrix Composites Containing Marble Waste. International Porous and Powder Materials Symposium And Exhibition, 2015, İzmir-Türkiye.
- B10.** Hasan Göçmez, Mustafa Tuncer, Seher Çetin, Faruk Ebeoğlugil "Hydrothermal Synthesized Nanocrystalline V2O5 and Electrical Properties" International Turkic World Conference On Chemical Sciences And Technologies (ITWCCST) October27-November 1, 2015, Saraybosna, Bosna-Hersek.
- B11.** Mustafa Tuncer Seher Çetin, Hasan Göçmez "Synthesis and Characterization of ZnO Nanostructures via Tartaric Acid Gel Method" International Turkic World Conference On Chemical Sciences And Technologies (ITWCCST) October27-November1, 2015, Saraybosna, Bosna-Hersek.
- B12.** Yurdakul Arife, Gocmez, H., The synthesis and characterization of blue colored tetragonal zirconia produced by hydrothermal treatment, 4th International Solvothermal And Hydrothermal Association Conference, October 26-29, 2014 Bordeaux, Fransa.
- B13.** Y.S.Yeniceri, H. Gocmez, M. Tuncer, M. Kocak "Influence of SiC, B4C and ZrO2 on the Densification and Mechanical Properties of ZrB2" 7th International Powder Metallurgy Conference & Exhibition, June 24 - 28 2014, Ankara, Turkey.
- B14.** M.Tuncer, R. Richard, V. Atakan, H.Gocmez, "Nanosize BaTiO3 Formation from Barium Titanyl Oxalate (BTO) Precursor under Hydrothermal Conditions" 6th International Conference on Nanomaterials - Research & Application November 5th - 7th 2014
- B15.** H.Gocmez, M.Tuncer, S. Cetin, C. Vakıfahmetoğlu "Synthesis and Characterization of Nanocrystalline V2O5 Powders by Hydrothermal Method" 6th International Conference on Nanomaterials - Research & Application November 5th - 7th 2014
- B16.** H. Gocmez, M. Tuncer, S. Cetin, "Synthesis and Characterization of Nanocrystalline V2O5 Powders "Hydrothermal Method" NANOCON, November 2014, Prag, Çek Cumhuriyeti.
- B17.** H. Gocmez, M. Tuncer, S. Cetin, M. Kocak, "The preparation and improvement of photovoltaic properties of Nb2O5 based nanocomposites electrodes for dye sensitized solar cell" 46th Power Sources Conference, Orlando, ABD, 2014.
- B18.** H. Gocmez, M. Tuncer, M. Kocak "Synthesis and sintering of nanocrystalline Zirconium diboride powders" St. Asaph, İngiltere, Nisan 2014.
- B19.** H. Gocmez, M. Tuncer, M. Kocak "Microstructure and Mechanical Properties of Silicon Carbide (SiC) with MgO-Y2O3 Oxide System as Sintering Agent" International Conference and Expo on Advanced Ceramics in Daytona Beach, ABD, Ocak 2014.
- B20. (Key Note Lecturer)** H. Gocmez, M. Tuncer, S. Cetin, M. Kocak, "Supercritical Fluid Synthesis of Nanostructure TiO2 for DSSC and Photocatalytic Applications" PCGMR/NCKU Symposium on " Nano-Technology/-Materials for Energy, Electronics and Others." Aralık 11-13, 2013, Tainan, Tayvan.
- B21.** H. Gocmez, M. Tuncer, M. Kocak "The influence of Different Sintering Methods on the Microstructure and Mechanical Properties of Zirconium Diboride Composites" CICC-8, International Conference on High-Performance Ceramics, Kasım 4 ~ 7, 2013, Chongqing, Çin.
- B22.** H. Gocmez, M. Tuncer, S. Cetin, M. Kocak, O. Mermer "The preparation and characterization of Nb2O5 based dye sensitized solar cell" SOLAR 2013, Baltimore, ABD, Nisan 2013
- B23.** H. Gocmez, M. Tuncer, S. Cetin M. Kocak, "The processing of Nb2O5-Based Thin Films for the Dye-Sensitized Solar Cells" International Research Conference, Bangkok, Tayland, Mart ,2013
- B24. (Davetli Konuşmacı)** H. Gocmez, M. Tuncer, S. Cetin, F. Ebeoğlugil, D. Ulu, M. Kocak, O. Mermer, "The preparation and improvement of photovoltaic properties of Nb2O5 based nanocomposites electrodes for dye sensitized solar cell (DSSC)" IUMRS-

International Conference on Electronic Materials (IUMRS-ICEM 2012), Yokohama, Japonya, 2012.

B25. M. Tuncer, H. Gocmez, M.Kocak, B.Ozdemir, "Preparation and Photocatalytic Activities of $\text{TiO}_2\text{-ZrO}_2$ Composite Materials Prepared by Supercritical CO_2 Process", IUMRS-ICEM 2012 Yokohama, Japonya, 2012.

B26. (Davetli Konuşmacı) H. Gocmez, M. Tuncer, S. Cetin, F. Ebeoglugil, D. Ulu, M. Kocak, O. Mermer, "The synthesis and characterization of Nb_2O_5 based nanocomposites electrodes for solar cell" International Conference on Oxide Materials for Electronic Engineering (OMEE-2012), Lviv, Ukranya, 2012.

B27. H. Gocmez, M. Tuncer, S. Cetin, F. Ebeoglugil, D. Ulu, M. Kocak, O. Mermer "The processing of Nb_2O_5 based thin films for the dye-sensitized solar cells" International Symposium on Ceramic Materials and Components for Energy and Environmental Applications (10th CMCEE), Dresden, Almanya, 2012.

B28. H. Gocmez, M. Tuncer, S. Cetin, F. Ebeoglugil, D. Ulu, M. Kocak, O. Mermer, " Nb_2O_5 based thin film electrodes preparation and characterization for dye sensitized solar cell (DSSC)", 45th Power Sources Conference, Las Vegas, ABD, 2012.

B29. M. Tuncer, H. Gocmez, Y.S. Yeniceri, G.G. Chernik, Yu.A.Anufrikov, "Low temperature synthesis and sintering of mechanically activated ZrB_2 powders" Ultra-High Temperature Ceramics: Materials for Extreme Environment Application II, Herstein-Avusturya, 2012.

B30. M. Vu, R. Haber, H. Gocmez "Preparation and Sintering of Al_2O_3 -Coated Spinel" International Conference on Advanced Ceramics in Daytona Beach, ABD, 2011.

B31. H. Gocmez, M. Tuncer, O. Sahin, I. Uzulmez "The Synthesis, Characterization and Mechanical Properties of $\text{Al}_2\text{O}_3/\text{ZrO}_2$ Nanocrystalline Powders by Supercritical CO_2 Method" International Ceramic Congress (ICC3), Osaka, Japonya, 2010.

B32. (Davetli Konuşmacı) H. Gocmez, C. Duran, M. Sopicka-Lizer, T. Pawlik, M. Mikuskiewicz, K. MacKenzie "Effect of High Energy Milling on the Formation and Properties of Sialon Ceramics Prepared from Silicon Nitride-Aluminium Nitride Precursors" International Ceramic Congress (ICC3), Osaka, Japonya, 2010.

B33. H. Gocmez, U. Olgun, S. Okur "Coating of Nano ZrB_2 on Cu Substrate Using Roll-Milling Process" International Ceramic Congress (ICC3), Osaka, Japonya, 2010.

B34. H. Gocmez, M. Tuncer, I. Uzulmez "The Formation And Deagglomeration Of $\text{Al}_2\text{O}_3\text{-ZrO}_2$ Nanocrystalline Powders by Supercritical CO_2 " International Conference and Expo on Advanced Ceramics in Daytona Beach, USA, 2010.

B35. H. Gocmez "Practical determination of quartz crystallinity: health regulation on crystalline silica" SERES 09, Eskisehir, 2009.

B36. H. Gocmez, M. Tuncer, Z. Gokyer, S. Alanbey "The modification of agglomeration state of $\text{Al}_2\text{O}_3\text{-ZrO}_2$ nanocrystalline composite powders synthesized by simple gel method" International Conference and Expo on Advanced Ceramics in Daytona Beach, USA, 2009.

B37. H. Gocmez, M. Tuncer, I. Uzulmez "The Synthesis of Soft Agglomerated Zirconia Based Nanocrystalline Powders by Supercritical CO_2 " International Conference and Expo on Advanced Ceramics in Daytona Beach, USA, 2009.

B38. (Davetli Konuşmacı) H. Gocmez, M. Tuncer, Z. Gokyer, S. Alanbey "The Modification of Deagglomeration State during the Synthesis of $\text{Al}_2\text{O}_3\text{-ZrO}_2$ Nanocrystalline Powders" 8th Pacific Rim Conference on Ceramics and Glass Technology, Vancouver, Kanada, 2009.

B39. H. Gocmez, M. Tuncer, Z. Gokyer, H. Fujimori, C. Duran "The Preparation and Characterization of $\text{Al}_2\text{O}_3\text{-ZrO}_2$ Nanocrystalline Composite by a Simple Gel Method" The Third International Conference on the Science and Technology for Advanced Ceramics (STAC-3), Yokohama, Japonya, 2009.

B40. C. Duran, K. Sato, Y. Hotta, K. Watari, H. Gocmez "Ball Milling Assisted Hydrothermal Synthesis of Nano ZrO_2 Powders" The Third International Conference on the Science and Technology for Advanced Ceramics (STAC-3), Yokohama, Japonya, 2009.

B41. H. Gocmez, M. Tuncer, I. Uzulmez "The formation and characterization of $\text{ZrO}_2/\text{SiO}_2$ Nanocrystalline Composite by Supercritical" The Third International Conference on the Science and Technology for Advanced Ceramics (STAC-3), Yokohama, Japonya, 2009.

- B42.** H. Gocmez, G. Yanik, R. Bozer, M. Ceken, F. Esenli, "The characterization of ancient ceramics from Egirdir khan (han) (Turkey)" XIV International Clay Conference, Castellaneta Marina, Italy, 2009.
- B43.** H. Gocmez, C. Duran, M. Sopicka-Lizer "Mechanochemically Activated Ceramic Powders Using a Novel High-energy Mill" 10th International Conference on Ceramic Processing Science, Inuyama, Japonya, 2008.
- B44.** H. Gocmez, S. Alanbey, M. Tuncer, O. Sahin "The Synthesis, Characterization and Mechanical Properties of Al₂O₃-ZrO₂ Nanocomposites by Tartaric Gel Method" 10th International Conference on Ceramic Processing Science, Inuyama, Japonya, 2008.
- B45.** Malgorzata Sopicka-Lizer, Tomasz Wlodek, Tomasz Pawlik, Marta Tancula, Hasan Gocmez, Osman Sahin "Implications of nanostructured β -Sialon Ceramic by Densification of highly defective precursor powders" European Ceramic Society Meeting, Almanya, 2007.
- B46.** H. Gocmez, H. Fujimori "Synthesis and Characterization of Magnesia stabilized Metastable Tetragonal Zirconia by Citrate Gel Process" Materials and Austceram 2007, Sydney, Australya, 2007.
- B47.** H. Gocmez, H. Fujimori "Synthesis and characterization of pure nanocrystalline ZrO₂ and ZrO₂-MgO solid solutions by citrate gel process" The First International Conference on the Science and Technology for Advanced Ceramics (STAC), Kanagawa, Japonya, 2007.
- B48.** H. Gocmez, H. Fujimori "Low temperature synthesis and characterization of CaO and MgO-stabilized nanocrystalline tetragonal zirconia by citrate gel process" The Fifth China International Conference on High-Performance Ceramics, Çin, 2007.
- B49.** H. Gocmez, C. Duran. "The dispersion and stability of mechanochemically activated nanocrystalline ceramic" Materials Research Society of Japan (Yamaguchi edition), 2006.
- B50.** H. Gocmez, O. Ozcan "Low Temperature Synthesis of Nanocrystalline α -Al₂O₃ powder by tartaric acid gel method" International Symposium on Inorganic Interfacial Engineering, İsveç, 2006.
- B51.** H. Gocmez, C. Duran, H. Yılmaz "The dispersion of mechanochemically activated SiC and Al₂O₃ powders" International Symposium on Inorganic Interfacial Eng., İsveç, 2006.
- B52.** H. Gocmez, C. Duran "The dispersion and stability of mechanochemically activated ceramic powders" 1st International Congress on Ceramics, Kanada, 2006.
- B53.** T. Wlodek, M. Sopicka-Lizer, H. Gocmez, C. Duran "Influence of the milling environment on the reaction progress in the Si-Al₂O₃ system" European Ceramic Society Meeting, Slovenya, 2005.
- B54.** Z. Peralta-Inga, N. Degirmenbasi, U. Olgun, H. Gocmez, D. M. Kalyon "Recrystallization of CL-20 and HNFx from Solution for Rigorous Control of the Polymorph Type: Part II, Experimental Studies" Annual Meeting of the American Institute for Chemical Engineers (AIChE) Cincinnati, OH, USA, 2005.
- B55.** Z. Peralta-Inga, N. Degirmenbasi, U. Olgun, H. Gocmez, D. M. Kalyon "Recrystallization of CL-20 and HNFx from solution for rigorous control of the polymorph type: Part 1, Mathematical modeling using molecular dynamics method" Annual Meeting of the American Institute for Chemical Engineers (AIChE) Cincinnati, OH, USA, 2005.
- B56.** H. Gocmez, B. Greenberg, R. Schefflan, D. Kalyon "Development of methodologies for the control of the polymorph and morphology of crystalline energetics" Second Advanced Energetics Technical Exchange, Aberdeen Proving Ground, USA, 2003.
- B57.** I. Işık, H. Gocmez, G. Yanik, R. Ceylantekin "The utilization of waste clay from coal basin in the wall tile body formulation" Europ. Ceramic Soc. Meeting Türkiye, 2003.
- B58.** H. Gocmez, M. Ceken, G. Yanik "The characterization of Ancient Ceramics From Hasankeyf (Turkey)" European Ceramic Society Meeting, Türkiye, 2003.
- B59.** H. Gocmez, R. A. Haber "Characterization of quartz crystallinity in naturally occurring clay minerals using diffuse reflectance infrared spectroscopy", European Ceramic Society Meeting, Türkiye, 2003.
- B60.** I. Işık, H. Gocmez, G. Yanik, R. Ceylantekin, G. Ediz "The characterization and the utilization of waste clay from silver deposits in the brick industry" European Ceramic Society Meeting, Türkiye, 2003.

B61. (Davetli Konuşmacı) H. Gocmez, R. Haber "A comparison of naturally occurring crystalline quartz and freshly ground crystalline quartz in clays" presented at the American Ceramic Society Conference, St. Louis, Missouri, USA, 2000.

C. Ulusal hakemli dergilerde yayımlanan makaleler :

C1. S. Alanbey, M. Tuncer, H. Gocmez "Düşük Sıcaklıkta Al₂O₃ - ZrO₂ Nanokompozit Seramik Tozlarının Basitleştirilmiş Sol-jel Yöntemi İle Sentezi ve Karakterizasyonu" VII. Seramik Kongresi, Afyon, 2008.

C2. H. Gocmez, R. Haber "Kil ve Kil mineralleri içinde bulunan kuvarsın, öğütme ve yaşlanma sonrası kristallik indeksinin değişimi", 12. Ulusal Kil Sempozyumu, Van, 2005.

D. Düzenlenen uluslararası sempozyum, kongre ve konferanslar

D1. International Conference on Oxide Materials for Electronic Eng. (OMEE-2014), Lviv, Ukranya, 2014.

D2. Özel oturum "Ceramic Powders" 7th International Powder Metallurgy Conference & Exhibitio, Ankara, Türkiye, 2014.

D3. VIII. Ceramic Congress of Turkey, Afyon, Türkiye,, 2012.

D4. International Ceramic Congress (ICC3), Osaka, Japonya, 2010.

Symposium 3: Nano-Crystals and Advanced Powder Technology

D5. 1st Euroasia Ceramic Congress, Kutahya, Türkiye,, 2010.

D6. International Ceramic, Glass, Enamels Congress (Seres'09), Eskisehir, Türkiye, 2009

E. Uluslararası Davetli sempozyum, kongre ve konferanslar Konuşmaları

E1. (Key Note Lecturer) H. Gocmez, M. Tuncer, S. Cetin, M. Kocak, "Supercritical Fluid Synthesis of Nanostructure TiO₂ for DSSC and Photocatalytic Applications" PCGMR/NCKU Symposium on " Nano-Technology/-Materials for Energy, Electronics and Others." Aralık 11-13, 2013, Tainan, Tayvan.

E1. "Effect of High Energy Milling on the Formation and Properties of Sialon Ceramics Prepared from Silicon Nitride-Aluminium Nitride Precursors" International Ceramic Congress (ICC3), Osaka, Japonya, 2010.

E2. "The Modification of Deagglomeration State during the Synthesis of Al₂O₃-ZrO₂ Nanocrystalline Powders" 8th Pacific Rim Conference on Ceramics and Glass Technology, Vancouver, Kanada, 2009.

E3. "A comparison of naturally occurring crystalline quartz and freshly ground crystalline quartz in clays" American Ceramic Society Conference, St. Louis, Missouri, USA, 2000.

F. Uluslararası bilimsel toplantı ve etkinliklerde oturum başkanlığı ve bilim kurulu üyeliği

F1. Symposium of "Zirconia Based Materials for Cutting Edge Technology" at Materials Science & Technology, Utah, USA, 2016 (Düzenleyici)

F2. IX. Ceramic Congress of Turkey, Afyon, Turkey, 2015. (Düzenleme komitesi)

F3. IUMRS-International Conference on Electronic Materials (IUMRS-ICEM 2012), Yokohama, Japonya, 2012. (Düzenleme komitesi)

F4. International Conference on Oxide Materials for Electronic Engineering (OMEE-2012), Lviv, Ukranya, 2012. (Düzenleme komitesi)

F5. International Ceramic Congress (ICC3), Osaka, Japonya, 2010. (Düzenleyici)

8th Pacific Rim Conference on Ceramics and Glass Technology, Vancouver, Kanada, 2009. (Düzenleme komitesi)

F6. The 2nd Anisotropic Science and Technology of Materials and Devices Workshop Gebze, 2008. (Düzenleme komitesi)

F7. 3. Uluslararası Çini Sempozyumu ve 1. Avrasya Seramik Kongresi Uluslararası Seramik, Cam, Emaye, Sır ve Boya Semineri (Seres'09). (Düzenleme komitesi)

G. Dergi Hakemlikleri (seçilmiş olanlar):

Journal of American Ceramic Society
Ionics
Journal of Alloys and Compounds
Materials Science and Engineering A
Colloidal & Surface A
Journal of Non-Crystalline Solids
Journal of Ceramic Society of Japan
Materials Science and Engineering B
Chemospheres ve konuyla ilgili diğer dergiler